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**GDAAC Notes for
MODIS Technical Team Meeting (3/5/98)**

ECS-SYSTEM

STATUS: RED

- > Unable to complete PGE registration due to baseline SSIT staff file permission privileges.
- Current Drop is 3.02.02

ECS-SSIT

SSIT STATUS: RED

- > IMSL 64-bit library needed in the installed baseline for PGE01 testing to continue. Priority 1
Emergency NCR submitted to ECS (3/2/98).
- Verification of Drop 3.02 pending completion of PGE-ESDT matchup tested in Integration II. PGE02 being used for this activity.

MAPI

SSIT STATUS: YELLOW

Problem: Error list documentation (see PGE01 description)

- Delivered (2/11/98);
- Directory structure problem resolved (2/17/98).
- Inspection complete (2/19/98).
- > Installation and build verification complete (2/24/98).

SDST TK

SSIT STATUS: YELLOW

Problems: Error list documentation (see PGE01 description) (Yellow)

- Delivered (2/11/98); Inspection completed (2/17/98).
- Redelivery of PCF, Log files and comparison files needed to complete toolkit build and installation verification (2/24/98).
- Installation and build verification complete (2/27/98).

PGE01

SSIT STATUS: RED

Problem: IMSL 64-bit library needed to continue testing (see ECS-SSIT above) (Red)

DAAC cannot promote PGE to operations without error list documentation, lien pending;
resolution schedule pending SDST communication with algorithm developers. (Yellow)

PGE ODL file that specifies production rules must be compiled from MODIS supplied
information to complete Integration (Yellow)

- Delivered (2/6/98); Inspection completed (2/9/98)
- > Patch pending from SDST to address metadata discrepancy (2/13/98).
- > Directory structure problem resolved (2/17/98).
- > Integration I suspended (3/2/98).
- DAAC is providing (0.75 FTE) to assist with PGE01 functionality and optimization at SDST's request

PGE02

SSIT STATUS: YELLOW

Problem: Error list documentation (see PGE01 description). (Yellow)

- Delivered (1/29/98); Inspection completed (2/2/98); Integration I completed (2/4/98)
- > Integration II on hold pending patch to address metadata discrepancy (2/17/98)
- > Integration II in progress; patch received to fix metadata discrepancy (2/26/98)

PGE03

SSIT STATUS: YELLOW

Problem: PGE production rules and Error list documentation (see PGE01 description). (Yellow)

- > Delivered (2/18/98); Inspection completed (2/20/98); Integration I completed (3/3/98).

PGE07**SSIT STATUS: YELLOW**

Problem: PGE production rules and Error list documentation (see PGE01 description) (Yellow)

- Delivered (12/5/97); Inspection completed (12/8/97); Integration I completed (12/13/97)
- PGE patch requested (12/17/97); patch delivered (1/20/98); regression testing completed (1/26/98)
- Integration II pending verification of Drop 3.02

PGE11**SSIT STATUS: YELLOW**

Problem: PGE production rules (see PGE01 description)

- Delivered (1/7/98); Inspection completed (1/15/98); Integration I completed (1/16/98)
- Integration II pending patch from developer and verification of Drop 3.02
- Patch delivered (2/4/98); Installation and regression testing completed (2/6/98)
- > Patch applied, regression testing completed (2/26/98)

PGE08**SSIT STATUS: YELLOW**

Problem: PGE production rules and Error list documentation (see PGE01 description) (Yellow)

- Delivered (1/13/98); Inspection completed (1/15/98); Integration I completed 1/21/98
- Integration II pending verification of Drop 3.02.

PGE13**SSIT STATUS: GREEN**

- > Delivered 3/2/98; DAP Inspection in progress on a time-available basis

PGE14**SSIT STATUS: GREEN**

- > Delivered 2/27/98; DAP Inspection complete (3/3/98); PGE inspection in progress on a time available basis.

PGE15**SSIT STATUS: GREEN**

- > Delivered 2/24/98; DAP Inspection in progress

V2 SSIT AGREEMENT**IN PROGRESS SINCE 9/97**

- Baseline agreement pending SDST feedback of 1/9/98
- PGEs delivered prior to mutually baselined agreement or non-compliant with agreement may require remedial work at the DAAC
- DAAC made final baseline modifications based on discussions with SDST; document provided to SDST 1/30/98 for sign-off; signatures pending.
- DAAC working to current Agreement as *de facto* baseline. (1/30/98)
- SDST to provide DAAC with list of outstanding issues; DAAC to attempt final issue resolution (2/18/98).
- SDST provided DAAC with list of outstanding issues, DAAC to provide feedback and revised version of baselined document (2/25/98).
- > DAAC feedback complete, document revised and circulated for signatures (2/27/98)

GDAAC/MODIS OPERATIONS AGREEMENT

- GDAAC developed draft, circulated for internal edits; edits being made by Stuart Frye. Stuart will be the active Point of Contact for revisions to the document until it is signed. Draft due to MODIS & GDAAC for comment by 2/27/98.

GDAAC/MODIS SCIENCE AGREEMENT

- Need for this document was identified within the GDAAC while drafting the GDAAC/MODIS OA; this document will detail the working agreements between the GDAAC MODIS Data Support Team and the MODIS Science Team, including SDST. These interactions include QA metadata updates and interactions regarding fixes for failed PGEs, among others. An outline is being drafted by Stuart Frye; will be circulated for comment to MODIS & GDAAC 2/20/98.

CONCERNS:

- Prioritization of current activities; core PGEs require fixes to complete testing while DAPS for non-critical PGEs are being delivered. Recommendation: SDST should give highest priority to getting core PGEs successfully tested. If necessary, defer delivery of non-critical PGEs.
- PGE01 (V2.1) needed by 4/1/98 to complete SSIT and available for system certification tests. Delivery at cutoff date allows little or no room for error to prepare for system certification tests. Problems encountered with V2.1 may require use of V2.0 in certification testing.
- Maximum number of PGEs DAAC can test is 3 until SSIT staff is fully trained. SSIT staff should be fully trained by 3/31/98.

BACKGROUND

PGEs into System Certification Tests

Best Case: 01, 02, 03, 07, 08, 11

Nominal Case: 01, 02

Worst Case: L0 data ingest

Work days for SSIT	Best Case	Nominal Case
Inspection	1	3
Integration I	2	5
Integration II	4 (est)	8 (est)
Patch	1-4	3-8
Error Testing	4	8
Chain Testing	10	15

Best Case: Little or no problems with PGE

Nominal Case: Minor problems encountered and resolved; no major blunders

SSIT Status Codes:

Complete PGE is ready to process data at launch in validation mode or ops mode

Green No problems or Category 1 fixes only; either no liens on PGE or liens worked post-launch

Yellow Problems in test; Category 2 or 3 fix pending; liens placed on PGE with workoff schedule; liens worked off by launch

Red SSIT has stopped; PGE will not run in its current form; fix required before testing can continue